

Appl. No. 10/774,072
Amendment dated March 16, 2006
Reply to Office Action of November 16, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claims 1-3 (Cancelled)

4. (Currently amended) A The casing adapter tool of claim 3, for connecting and sealing to a casing pipe at its lower end and to production or service equipment at its upper end, and for use with a well servicing equipment, comprising:

a generally tubular casing adapter body having an upper end and a lower end, said casing adapter body being formed with a central bore extending therethrough, the central bore providing a profile which forms a casing seal chamber at the lower end, a barrier seal chamber located thereabove, and wherein the casing adapter body forms a fracturing seal chamber in the central bore above or below the barrier seal chamber;

lower connectors at the lower end of the casing adapter body for connecting and sealing to the casing pipe;

top connectors at the upper end of the casing adapter body for connecting and sealing to production or service equipment;

the barrier seal chamber:

having a profile to accommodate and seal to a first removable pressure barrier on removal of any well servicing equipment, and

sized to provide full bore access to the casing pipe;

the first removable pressure barrier being a threaded, latched or snap ring type check valve or plug; and

said fracturing seal chamber having a profile to permit a fracturing isolation tool to be run in and sealed against the central bore.

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Claims 5-7 (Cancelled)

8. (Original) The casing adapter tool of claim 4, wherein the casing adapter body includes an integral tubing head portion at its upper end, which tubing head portion provides the top connectors at its upper end for connecting to the production or service equipment, the tubing head portion being formed with a central bore which communicates with the central bore of the casing adapter so as to permit a fracture tool to be run therethrough, the central bore in the tubing head portion forming a tubing hanger chamber for sealing relationship with a tubing hanger, and wherein the tubing hanger provides for installation of a second pressure barrier.

9. (Original) The casing adapter tool of claim 8, wherein the casing adapter body includes one or more sealed side ports between the tubing hanger chamber and the barrier seal chamber to provide for access to the casing pipe.

10. (Currently amended) The casing adapter tool of claim 4, wherein:
the lower ~~bottom~~ connectors to the casing pipe may include a slip lock connector, a welded connection, a threaded connection, a flange connection, or a clamp connection;
the casing adapter body may includes an inwardly extending stop shoulder formed at the top of the casing seal chamber in the central bore to protect the top of the casing pipe; and
the top connectors to the production or service equipment may include a threaded, flange or clamp connection.

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11. (Currently amended) The casing adapter tool of claim 8, wherein:

the lower ~~bottom~~ connectors to the casing pipe ~~may~~ include a slip lock connector, a welded connection, a threaded connection, a flange connection, or a clamp connection;

the casing adapter body ~~may~~ includes an inwardly extending stop shoulder formed at the top of the casing seal chamber in the central bore to protect the top of the casing pipe; and

the top connectors to the production or service equipment ~~may~~ include a threaded, flange or clamp connection.